

Report of MSD Equipment Request Evaluation Committee

November 5, 2002

The MSD Equipment Request Evaluation Committee met on October 15, 2002. All members of the committee were present: S. Bader, G. Crabtree, J. Eastman, D. Miller, J. Mitchell, M. Pellin, and M. Savina.

The committee evaluated twenty equipment requests based on documentation and a brief presentation by the requestor(s) held in an open forum on October 14, 2002. Each committee member individually ranked the requests on a scale from one (lowest) to five (highest). These evaluations were based on an evaluation of the proposed equipment's impact on both the proposer(s) program and Division-wide impact. The individual committee member scores in general showed little variation. Aggregate scores were computed for all items, which were then rank ordered. An initial list of projects to be funded (fully or partially) was generated, as were a list of projects that would be funded (fully or partially) contingent upon a \$200 K commitment from NIU to support the FIB.

The committee requested additional information from the proposers in this latter category and met again on November 5, 2002 to finalize the decisions. Present at the second meeting were: G. Crabtree, J. Eastman, J. Mitchell, and M. Pellin. Discussion among the committee members of the revised proposals led to a final selection of funded projects, shown in Table I (attached)

Total FY03 equipment funds in the amount of \$1.9 K are available. The 10% laboratory tax necessitates capping awards at approximately \$1.7 K. Allocations were made essentially entirely in parallel with the aggregate rankings. The FIB proposed by Miller is highly leveraged, and requires setting aside \$500 K. It is anticipated that up to \$200 K will be provided by other institutions interested in this instrument. If and when these additional funds are secured, the projects of Fuoss, Welp, and Lin (or Auciello – see below) will be supported at the levels detailed in Table I.

It is to be noted that the award to Lin is contingent upon matching funds from the Chemistry Division. Should these funds fail to be committed, Auciello's project will be funded at a level of \$40 K.

Each of the projects awarded funds this year will be expected to submit a year-end report describing the status of their instrument, highlighting results, publications, etc. Progress reports from those projects partially funded will be considered when additional funding requests are made.

In cases equipment requests consist of multiple items, some of which can be covered at the M&S level (< \$25 K). Where appropriate, proposers for such requests are encouraged to seek support from other sources, such as group M&S funds or an LDRD proposal, for their project.

The projects that were not selected this year are encouraged to re-submit their requests in the FY04 selection process. Proposers of such requests will be contacted on an individual basis by member(s) of the selection committee to discuss ways to strengthen their proposals.

Name	Proposed Item	Funds Awarded (\$K)	Notes
Immediate Funding			
Cook	Tecnai F20 upgrade	\$50	fund sample stage, software to come from M&S
Eastman	APS oxidation system	\$220	
Iavarone	variable T STM	\$40	fund STM controller; cryostat to come from M&S
Jiang	high T VSM	\$127	
Jorgensen	high P synthesis	\$168	fund purchase of single module rather than two
Kwok	8 T 3He system	\$183	
Miller	FIB	\$500	expect \$800K from DOE, \$200 K from NIU
Pellin	target manipulator	\$95	
Phillpot	Beowulf cluster	\$97	
Streiffer	oxide elect. Probe	\$90	
Wang	ESR upgrade	\$110	
Zapol	computer upgrade	\$30	
		\$1,710	
Contingent Funding			
Fuoss	APS Laser Tweezers	\$85	fund at \$75 K contingent on matching funds from chemistry Fund at \$40 K if Lin does not get matching funds from Chemistry
Welp	spectrograph	\$35	
Lin	AFM	\$75	
Auciello	Oxide MBE system	\$40	
		\$235	
Not Funded in FY03			
Carlisle	IPLAS	\$0	encouraged to reapply in FY04
Firestone	confocal microscope	\$0	encouraged to reapply in FY04
Hoffmann	e- beam evaporator	\$0	encouraged to reapply in FY04
Streiffer	oxide sputter system	\$0	encouraged to reapply in FY04

Note: Funds awarded do not include 10% laboratory overhead.